

Q5 --Based upon homology of the mouse clone with a region of human chromosome 11p15.5 contained in a BAC clone (genebank #AC003693) a human *TRP8* ortholog was identified. The nucleotide sequence of the human *TRP8* gene, as well as the deduced amino acid sequence, are depicted in Figures 3A-B (SEQ ID NO: 3) and 4 (SEQ ID NO: 4), respectively. A comparison of the murine and human *TRP8* proteins is shown in Figure 5 (SEQ ID NO: 2 and SEQ ID NO: 4, respectively). This region of human chromosome 11p15.5 is syntenic with the distal region of mouse chromosome 7. In both cases, *TRP8* and *hTRP8* map between genes for *Kvlqt1* and *TSSC4*--

IN THE CLAIMS:

Please amend Claims 1-4, 8 and 9 as follows. A copy of amended Claims showing the additions and deletions in accordance with 37 C.F.R. §1.121(c)(1)(ii) is attached hereto.

- Q6
1. An isolated nucleic acid molecule comprising a nucleotide sequence that encodes the amino acid sequence shown in (SEQ ID NO: 2).
 2. The isolated nucleic acid molecule of claim 1 comprising the DNA sequence of (SEQ ID NO: 1).
 3. An isolated nucleic acid molecule comprising the DNA sequence of (SEQ ID NO: 3).
 4. The isolated nucleic acid molecule of claim 3 comprising a nucleotide sequence that encodes the amino acid sequence shown in (SEQ ID NO: 4).
- Q7
8. An isolated polypeptide comprising the amino acid sequence of (SEQ ID NO: 2).
 9. An isolated polypeptide comprising the amino acid sequence of (SEQ ID NO: 4).